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Congestion: Congestion is a situation which may occur if we send data into the network at a rate greater than that allowed by network resources.

Techniques to prevent Congestion.

1- open-loop Congestion Control.

In open-loop Congestion Control policies are applied to prevent congestion before it happens in these mechanisms,

(ii) Retransmission policy: The retransmission policy is designed to optimize efficiency and at the same time prevent congestion.

(iii) window policy: The type of window at the sender may also affect congestion.
The Go-Back-N window for Congestion Control $[P+0]$

acknowledgement policy: The acknowledgement policy imposed by the receiver may affect congestion if the receiver doesn't acknowledge every packet.

closed-loop Congestion Control:

Closed loop Congestion Control mechanism try reduce congestion after it happen differently